



REQUIREMENTS FOR ELECTRICAL PLAN REVIEW

(Source: City of Seattle Electrical Code Supplement, Ordinance 121286. Effective October 31, 2003)

Section 302. APPLICATION AND PLANS

(A) Application. Application for an electrical permit shall be made on a form provided by the building official. Each application shall state the name and address of the owner or occupant in possession of the building or premises where the work is to be done, the name of the licensed contractor, if any, that will be responsible for the installation, and such other information as the building official may require. Application shall include documentation of compliance with the Seattle Energy Code. The building official may refuse to issue or revoke a permit if any statement in the permit application is found to be untrue.

(B) Plans and Specifications.

(1) General. In addition to the requirements of Section 302 (A), two sets of plans and specifications shall be submitted with each application for an electrical permit for an installation of the following:

- (a) services or feeders of 400 amperes or over;
- (b) all switches or circuit breakers rated 400 amperes or over;
- (c) any proposed installation the scope of which covers more than 2,500 square feet;
- (d) any proposed installation which cannot be adequately described on the application form; and
- (e) installations of emergency generators.

Exception: Plans and specifications shall not be required for installations in one- and two-family dwellings that can be adequately described on the application form.

Two sets of electrical plans shall be submitted with each electrical permit application for new or altered electrical installations in educational, institutional, and health or personal care occupancies as indicated in WAC 296-46B-010 (14), (17) and WAC 296-46B-010 Tables 010-1 and 010-2.

Exception: One set of electrical plans shall be submitted with each application when a service or feeder is new or altered and the sum of the equipment ampere rating is less than 200 amperes.

Three sets of plans and specifications for fire alarm systems shall be submitted. See Seattle Fire Code Section 1007.3.1 for required submittal information.

(2) Clarity of Plans. Plans shall be drawn to a clearly indicated and commonly accepted scale of not less than 1/8 inch to 1 foot upon substantial paper such as blueprint quality or standard drafting paper. The plans shall be of microfilm quality and limited to a minimum size of 11 inches by 17 inches and maximum size of 41 inches by 54 inches. Plans shall indicate the nature and extent of the work proposed and shall show in detail that it will conform to the provisions of this code. All electrical work shall be readily distinguishable from other mechanical work. If plans are incomplete, unintelligible or indefinite, the building official may require that the plans be prepared by a licensed electrical engineer, or may reject or refuse to examine such plans, even though a plan examination fee has been paid.

(3) Information on plans and specifications. Information on plans and specifications shall include the following:

- a. The type of occupancy and a complete scope of work.
- b. A complete riser and one line diagram to include all service and feeder connections.
- c. Clear identification of all circuitry, to include but not limited to: circuit numbers, wire sizes, insulation types, conduit sizes and types.
- d. A complete set of switchboard and panel schedules. These shall include all load calculations and demand factors used for computation.
- e. A complete project load summary to include existing loads as computed in accordance with NEC Article 220 and all added loads. Electrical calculations, heat loss calculations and lighting summaries may be submitted on separate computation sheets.
- f. Fault current calculations and the listed interrupting rating of all feeder and service equipment.
- g. Voltage characteristics of all electrical systems and equipment.
- h. A key to all symbols used.
- i. A fixture schedule showing all pertinent fixture information.
- j. Any other information as may be required by the plans examiner.

(C) Advance Plan Examination. An architect or engineer registered in the State of Washington may apply for an electrical permit and may request an advance plan examination of electrical plans where the electrical contractor has not yet been selected. Upon submission of an application including required plans, and payment of fifty percent of the estimated permit fee, the Department will review the application. When the application and plans are found to be in compliance with the Seattle Electrical Code, the Department will approve the application and plans as ready for issuance. Neither the permit nor the plans shall be issued until the remainder of the fee is paid and the electrical contractor's name and license number is placed on the permit.